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FRIENDS OF THE CRESHEIM TRAIL- CRESHEIM VALLEY TRAIL Pedestrian and Bicycle Network Feasibility Study - PHASE 3 OPINION OF PROBABLE COST

Montgomery & Philadelphia Counties, Pennsylvania

Prep'd by Campbell Thomas & Co - 1504 South Street - Philadelphia PA 19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: December 6, 2007

		DISTANCE & TYPE of REACH												SPECIAL SIGNAGE @ CROSSINGS					
		Proposed Network							Cost					Type		Cost			
PHASE	Reach of Route	Neighborhood Street	Multi-use Trail (Ped/Bike)	Trail/Footpath (Earthen)	Sidepath (Gravel or Asphalt)	Sidewalk	On-Road Bike Route (Signed)	Bike Lanes	Units	Cost / Unit	Cost Factor	Sub- total	Footbridge over Stream	Crossing at Existing Intersection	Mid-Block Crossing	Subtotal	Reach Subtotal	TOTALS	Comments
														####	####				
3	**Bethelhem Pike To Paper Mill Road**																		
3A	**Trail crosses Acme parking lot**		920							100	1.2	110400					$110,400	**$110,400**	
3B	**Trail on abandoned rail right-of-way**		2900						LF	80	1	232000					$232,000	**$232,000**	
3C	**Trail at edge of PennDot swm pond**		647						LF	80	1	51760					$51,760	**$51,760**	
3D	**Trail at PECO right-of-way**		778						LF	80	1	62240					$62,240	**$62,240**	
3E	**At-grade crossing as Haws Lane**													1000			$0	**$1,000**	
3F	**Trail through Springfield School complex**				1950				LF	100	1.2	234000					$234,000	**$234,000**	
3G	**Grade separate crossing at Paper Mill road**								LS		1	140000			5000		$140,000	**$145,000**	
3H	**Trail through LaSalle Property**		2240						LF	80	1	179200					$179,200	**$179,200**	
3i	**Trail constrained in PECO right-of-way**		1833						LF	100	1.2	219960					$219,960	**$219,960**	
		0	9318	0	1950	0	0	0	LF								**Phase Total:**	**$1,235,560**	
	A construction contingency of 15% should be provided.	0.0	1.8	0.0	0.4	0.0	0.0	0.0	Miles										
	Design/Engineering fees should range 15-20%																		
	No acquisition costs are included.																		

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FRIENDS OF THE CRESHEIM TRAIL- CRESHEIM VALLEY TRAIL Pedestrian and Bicycle Network Feasibility Study - PHASE 2 OPINION OF PROBABLE COST

Montgomery & Philadelphia Counties, Pennsylvania

Prepared by Campbell Thomas & Co - 1504 South Street - Philadelphia PA 19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: December 6, 2007

		DISTANCE & TYPE of REACH										SPECIAL SIGNAGE @ CROSSINGS					
		Proposed Network						Cost					Type	Cost			
PHASE	Reach of Route	Neighborhood Street	Multi-use Trail (Ped/Bike)	Trail/Footpath (Earthen)	Sidepath (Gravel or Asphalt)	Sidewalk	On-Road Bike Route	Units	Cost / Unit	Cost Factor	Sub- total	Footbridge over Stream	Crossing at Existing Intersection	Mid-Block Crossing	Subtotal	Reach Subtotal	TOTALS	Comments
													####	####				
2	**Link to Arcadia University**																	
2A	**Trail across Westminster seminary**		1394					LF	80	1.2	133824					$133,824	**$133,824**	
2B	**Sidepath along Church Road**			1984				LF	80	1.2	190464					$190,464		
2C	**At-grade crossing at Waverley Road**			0							0			1	5000	$5,000		
				0							0					$0	**$195,464**	
		0	1394	1984	0	0	0	LF								**Phase Total:**	**$329,288**	
	A construction contingency of 15% should be provided.	0.0	0.3	0.4	0.0	0.0	0.0	Miles										
	Design/Engineering fees should range 15-20%																	
	No acquisition costs are included.																	

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FRIENDS OF THE CRESHEIM TRAIL- CRESHEIM VALLEY TRAIL Pedestrian and Bicycle Network Feasibility Study - PHASE 1 OPINION OF PROBABLE COST

Montgomery & Philadelphia Counties, Pennsylvania

Prepared by Campbell Thomas & Co - 1504 South Street - Philadelphia PA 19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: December 6, 2007

		DISTANCE & TYPE of REACH											SPECIAL SIGNAGE @ CROSSINGS						
		Proposed Network						Cost					Type		Cost				
PHASE	Reach of Route	Neighborhood Street	Multi-use Trail (Ped/Bike)	Trail/Footpath (Earthen)	Sidepath (Gravel or Asphalt)	Sidewalk	On-Road Bike Route	Units	Cost / Unit	Cost Factor	Sub- total	Footbridge over Stream	Crossing at Existing Intersection	Mid-Block Crossing	Subtotal	Reach Subtotal	TOTALS	Comments
													####	####				
1	**Stenton Avenue to Valley Green / Ft. Washington State Park to Bethelhem Pike**																	
1A	**Trail in PECO right-of-way**		3267					LF	80	1	261360					$261,360	**$261,360**	
1B	**Trail crosses Germantown Avenue on restored railroad bridge (Redecking).**		80					LS	600	1	48000					$48,000		
1C	**Restrored hiking trail in Fairmount Park**			1962				LF	20	1.2	47088			1	5000	$52,088		
1D	**On-road bike route through Chestnut Hill**						2670	LF	2	1	5340			1	5000	$10,340		
1E	**Ft. Washingotn State Park to Bethelhem Pike**		1650					LF	100	1	165000					$165,000		
											0					$0	**$275,428**	
		0	4997	1962	0	0	2670	LF								**Phase Total:**	**$536,788**	
	A construction contingency of 15% should be provided.	0.0	0.9	0.4	0.0	0.0	0.5	Miles										
	Design/Engineering fees should range 15-20%																	
	No acquisition costs are included.																	

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FRIENDS OF THE CRESHEIM TRAIL- CRESHEIM VALLEY TRAIL Pedestrian and Bicycle Network Feasibility Study - PHASE 4 OPINION OF PROBABLE COST

Montgomery & Philadelphia Counties, Pennsylvania

Prep'd by Campbell Thomas & Co - 1504 South Street - Philadelphia PA 19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: December 6, 2007

		DISTANCE & TYPE of REACH												SPECIAL SIGNAGE @ CROSSINGS					
		Proposed Network							Cost					Type		Cost			
		Neighborhood Street	Multi-use Trail (Ped/Bike)	Trail/Footpath (Earthen)	Sidepath (Gravel or Asphalt)	Sidewalk	On-Road Bike Route (Signed)	Bike Lanes					Footbridge over Stream	Crossing at Existing Intersection	Mid-Block Crossing			0	
PHASE	Reach of Route								Units	Cost / Unit	Cost Factor	Sub- total		####	####	Subtotal	Reach Subtotal	TOTALS	Comments
4	**Paper Mill Road to Stenton Avenue**																		
4A	**Grade-separate crossing at Paper Mill road**								LS		1	140000			5000		$140,000	**$145,000**	
3H	**Trail through LaSalle Property**		2240						LF	80	1	179200					$179,200	**$179,200**	
4C	**Trail constrained in PECO right-of-way**		1833						LF	100	1.2	219960					$219,960	**$219,960**	
4D	**Trail on bridge over Willow Grove Avenue**								LS		1				5000		$5,000	**$5,000**	
4E	**Imrpovements to crosswalk at Willow Grove**								LS		1				5000		$0	**$5,000**	
4F	**Trail through Wesminster property**				311				LF	80	1.2	29856					$29,856	**$29,856**	
4G	**Trail Bridge over Route 309**								LS		1	2200000					$2,200,000	**$2,200,000**	
4H	**Trail in PECO Right-of-way / Ramp down to PECO r/w**		2405						LF	100	1	240500					$240,500	**$240,500**	
4I	**At-grade crossing at Cobden Road**								LS		1				5000		$0	**$5,000**	
4J	**Trail in PECO Right-of-way**		1930						LF	100	1	193000					$193,000	**$193,000**	
4K	**Grade-separate crossing at Cheltenham Avenue**								LS		1	400000					$400,000	**$400,000**	
4L	**Trail in PECO right-of-way with encroachments**		2072						LF	100	1.4	290080					$290,080	**$290,080**	
4M	**Spur to Laurel Beech Park**						1649		LF	2	1	3298					$3,298	**$3,298**	
4N	**At-grade crossing at Queen Street**								LS		1				5000		$0	**$5,000**	
40	**Trail in PECO right-of-way with encroachments**		3436						LF	100	1.4	481040					$481,040	**$481,040**	
4P	**Spur to Mermaid Park**		200						LF	20	1	4000					$4,000	**$4,000**	
4Q	**Grade-separate crossing at Stenton Avenue**		200						LS		1	400000					$400,000	**$400,000**	
		0	14316	0	311	0	1649	0	LF								**Phase Total:**	**$4,805,934**	
	A construction contingency of 15% should be provided.	0.0	2.7	0.0	0.1	0.0	0.3	0.0	Miles										
	Design/Engineering fees should range 15-20%																		
	No acquisition costs are included.																		